

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

1652  
CPW

JUN 14 2004

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Mail Stop **Amendment**

Application Number	<b>10/006,909</b>
Filing Date	<b>December 6, 2001</b>
First Named Inventor	<b>Jay Keasling</b>
Art Unit	<b>1652</b>
Examiner Name	<b>Christian L. Fronda</b>
Attorney Docket Number	<b>2000-0007</b>

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> No fee due <input checked="" type="checkbox"/> Fee Transmittal <input type="checkbox"/> Fee(s) due <input type="checkbox"/> Fee Transmittal <input type="checkbox"/> Check for \$*	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s):	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Charge any underpayment or credit any overpayment to Deposit Account No. 18-0580</b> <input checked="" type="checkbox"/> Return postcard <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement & Form(s) PTO-1449 <input type="checkbox"/> Copy(ies) of cited reference(s) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts / Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

## Remarks:

**The Commissioner is hereby authorized to charge any additional or underpayment of fee(s) to Deposit Account No. 18-0580.**

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

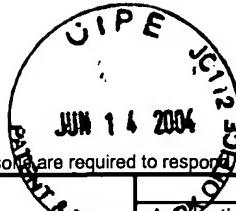
Firm or Individual Name (print/type)	<b>Shelley P. Eberle, Reg. No. 31,411 Reed &amp; Eberle LLP</b>	Telephone	<b>(650) 330-0900</b>
Signature	<i>Shelley Eberle</i>	Date	<b>June 9, 2004</b>

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Name (print/type)	<b>Joe Clark</b>	Date	<b>June 9, 2004</b>
Signature	<i>Joe Clark</i>		

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.



# FEE TRANSMITTAL for FY 2004

Effective 10/01/03. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT \$0.00

## Complete if Known

Application Number	10/066,909
Filing Date	December 6, 2001
First Named Inventor	Jay Keasling
Examiner Name	Christian L. Fronda
Group Art Unit	1652

TOTAL AMOUNT OF PAYMENT	\$0.00	Attorney Docket No.	2000-0007
-------------------------	--------	---------------------	-----------

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None Deposit Account:

Deposit Account No.	
Deposit Account Name	

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below  Charge any underpayment or credit any overpayments
- Charge any additional fee(s) during the pendency of this application
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)		\$	
Total Claims	60	- 60** =	0
Independent Claims	6	- 6** =	0
Multiple Dependent			
Extra Claims		x	
		=	
		=	
		=	
Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claim in excess of 20	
1201 86	2201 43	Independent claims in excess of 3	
1203 290	2203 145	Multiple dependent claim, if not paid	
1204 86	2204 43	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)		\$	
Other fee (specify)			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3)			

\*\*or number previously paid, if greater; For Reissues, see above

## Complete (if applicable)

Name (Print/Type)	Shelley P. Eberle	Registration No. (Attorney/Agent)	31,411	Telephone	(650) 330-0900
Signature				Date	June 9, 2004

Application No. 10/006,909  
Amendment dated June 9, 2004  
Reply to Office Action of May 5, 2004

Atty Dkt No. 2000-0007  
Client No. B02-016



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Jay KEASLING et al.

Confirmation No.: 1524

Serial No.: 10/006,909

Group Art Unit: 1652

Filing Date: December 6, 2001

Examiner: Christian L. FRONDA

Title: BIOSYNTHESIS OF ISOPENTENYL PYROPHOSPHATE

### AMENDMENT UNDER 37 C.F.R. § 1.111

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated May 5, 2004, please amend the above-identified application as follows.

Amendments to the Claims are reflected in the listing of the claims which begins on page 2 of this document.

Remarks begin on page 10 of this document.